

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER

**JFE-05-1040**

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

**10/530134**INTERNATIONAL APPLICATION NO.  
PCT/JP2004/000039INTERNATIONAL FILING DATE  
07 January 2004 (07.01.04)PRIORITY DATE CLAIMED  
17 January 2003 (17.01.03)

## TITLE OF INVENTION

**HIGH-STRENGTH STEEL HAVING HIGH FATIGUE STRENGTH AND METHOD FOR MANUFACTURING THE SAME**

## APPLICANT(S) FOR DO/EO/US

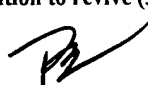
**Toru Hayashi and Akihiro Matsuzaki**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 C.F.R. 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☐ Other items or information:

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
10/530134		PCT/JP2004/000039		JFE-05-1040	
21. The following fees are submitted:					
<input checked="" type="checkbox"/> a) Basic national fee.....				\$ 300.00	\$ 300.00
<input checked="" type="checkbox"/> b) Examination fee.....				\$ 200.00	\$ 200.00
<input checked="" type="checkbox"/> c) Search fee.....				\$ 500.00	\$ 500.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$1,000.00</b>	\$1,000.00
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	Rate		
38 - 100 =	0/50 =	0	x \$250.00	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	19 - 20 =	0	x \$50.00	\$	
Independent claims	2 - 3 =	0	x \$200.00	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$ 360.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$1,490.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				<b>\$1,490.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE =</b>				<b>\$1,490.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$1,490.00</b>	
				Amount to be refunded:	\$
				Amount to be charged:	\$
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$1,490.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 50-2719 in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2719. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p>					
<p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>					
<p>SEND ALL CORRESPONDENCE TO:</p> <div style="text-align: right;">   T. Daniel Christenbury, Reg. No. 31,750 </div>					
<p><b>Customer No. 035811, whose contact information is:</b>  <b>IP Group of DLA Piper Rudnick Gray Cary US LLP</b>  <b>One Liberty Place, Suite 4900</b>  <b>1650 Market Street</b>  <b>Philadelphia, PA 19103</b>  <b>(215) 656-3381</b></p>					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : Customer No.: 035811  
Examiner :  
Serial No. :  
Filed : Herewith  
PCT No. : PCT/JP2004/000039  
PCT Filed : January 7, 2004  
Inventors : Toru Hayashi Docket No.: JFE-05-1040  
          : Akihiro Matsuzaki  
Title : HIGH-STRENGTH STEEL HAVING HIGH Confirmation No.:  
          : FATIGUE STRENGTH AND METHOD  
          : FOR MANUFACTURING THE SAME  
Dated: April 4, 2005

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**APPLICATION TRANSMITTAL LETTER**

**MAIL STOP PCT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We submit herewith for filing in the U.S. Patent and Trademark Office an English translation of the above-identified PCT Application as filed including 31 pages of Specification, 6 pages of Claims and 1 page Abstract, Application Data Sheet (1 page), copies of the Request (translation, 4 pages), the Fee Calculation Sheet, Forms PCT/IB/301, 304 and 308, the first page of WO 2004/065647 A1 and the International Search Report, an Information Disclosure Statement with Form PTO-1449, Form PTO-1390, in duplicate, and our check in the amount of \$1,490.00, comprising the official filing fee.

Respectfully submitted,



T. Daniel Christenbury  
Reg. No. 31,750  
Attorney for Applicants

TDC:lh  
(215) 656-3381

10/530134

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit :  
Examiner :  
Serial No. :  
Filed : Herewith  
PCT No. : PCT/JP2004/000039  
PCT Filed : January 7, 2004  
Inventors : Toru Hayashi  
          : Akihiro Matsuzaki  
Title : HIGH-STRENGTH STEEL HAVING HIGH  
       : FATIGUE STRENGTH AND METHOD  
       : FOR MANUFACTURING THE SAME

Customer No.: 035811  
Docket No.: JFE-05-1040  
Confirmation No.:  
Dated: April 4, 2005

**MAIL STOP PCT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**37 CFR 1.10**  
**EXPRESS MAIL CERTIFICATION**

"Express Mail" mailing label number: EV 548523597 US

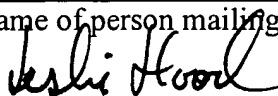
Date of Deposit: April 4, 2005

DESCRIPTION OF CONTENTS: Postcard, \$1,490.00 Check, an Application Transmittal Letter, in duplicate, Form PTO-1390, in duplicate, an English translation of the PCT Application as filed, including 31 pages of Specification, 6 pages of Claims and 1 page Abstract, an Application Data Sheet (1 page), copies of the Request (translation, 4 pages), the Fee Calculation Sheet, Forms PCT/IB/301, 304 and 308, the first page of WO 2004/065647 A1 and the International Search Report, and an Information Disclosure Statement with Form PTO-1449.

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to **Mail Stop PCT**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Leslie Hood

(Typed or printed name of person mailing paper or fee)



(Signature of person mailing paper or fee)